

REMARKS

Applicants respectfully request reconsideration of the above-identified application in view of the foregoing amendments and following remarks.

I. Status of the Claims

Claims 6 and 7 are canceled without prejudice or disclaimer.

Claims 1 and 8 are amended without the introduction of new matter.

Claims 1-5, 8 and 9 are pending.

II. Rejections under 35 U.S.C. §§ 102 and 103

Claim 1 was rejected under 35 U.S.C. §102(b) as anticipated by Sudo et al. (U.S. Patent No. 5,693,913, herein "Sudo"). Claims 2 and 3 were rejected under 35 U.S.C. §103(a) as unpatentable over Sudo in view of Oda (U.S. Patent No. 5,646,377). Claim 4 was rejected under 35 U.S.C. §103(a) as unpatentable over Sudo in view of Morita (U.S. Patent No. 5,128,499). Claim 5 was rejected under 35 U.S.C. §103(a) as unpatentable over Sudo in view of Watanabe et al. (U.S. Patent No. 5,567,920, herein "Watanabe"). Claims 6 and 7 were rejected under 35 U.S.C. §103(a) as unpatentable over Sudo in view of Yoshida et al. (U.S. Patent No. 5,798,756, herein "Yoshida"). Claims 8 and 9 were rejected under 35 U.S.C. §103(a) as unpatentable over Sudo in view of Yoshida, and further in view of Kawai (U.S. Patent Application Publication No. 2003/0086149). The rejection of claims 6 and 7 is moot because the claims are canceled in this Amendment. The Applicants respectfully traverse the rejections of claims 1-5, 8 and 9.

Amended independent claim 1 is directed to a coordinate input apparatus. According to amended claim 1, a switching circuit connects the X and Y interconnecting lines to a closed-loop forming circuit in a coordinate detection drive mode. The closed-loop forming circuit switchably connects a predetermined number of the X interconnecting lines or a predetermined number of the Y interconnecting lines to form a closed loop in the coordinate detection drive mode. In addition, the closed loop according to amended claim 1 is a multiple closed loop.

Sudo describes a position detection apparatus using a loop circuit. Specifically, Sudo describes an example of a multiple loop as shown in FIG. 7. Oda describes a point detecting device transmitting signals from both ends of the loop coil arrangement towards the pointing device, and/or receives at both ends the signals generated by the electromagnetic function between the loop coil arrangement and the pointing device.¹ Morita describes loops that are embedded in each other as shown in FIG. 1. Watanabe describes a position detection apparatus in which a multiple loop is formed as shown in FIG. 18. Yoshida describes that X and Y electrodes of a liquid crystal display are utilized as electrodes of a position detection apparatus by a selector switch. Kawai is merely cited as teaching at page 1, paragraph [0003], an electrophoretic display having a memory characteristic.²

However, even if the teachings of the cited references are combined, the combined teachings do not disclose, teach or suggest the closed-loop forming circuit as recited in amended claim 1. For example, even if the position detection apparatuses of Sudo and Watanabe, and the selector switch of Yoshida, are combined to have a coordinate input apparatus, the closed-loop forming circuit as recited in amended claim 1 is still not present in such a coordinate input

¹ See, for example, the Abstract of Oda.

² See the outstanding Office Action at page 9, lines 1 and 2.

apparatus. None of the cited references discloses, teaches or suggests the closed loop forming circuit as recited in amended claim 1.

Therefore, amended claim 1 and claims dependent therefrom are patentably distinguishable over the cited references, either taken individually or in combination. Accordingly, the Applicants respectfully request the withdrawal of the rejections of claims 1-5, 8 and 9.

CONCLUSION

In view of the above amendments, the Applicants believe the pending application is in condition for allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue.

The Examiner is respectfully requested to contact the undersigned at the telephone number indicated below if the Examiner believes any issue can be resolved through either a Supplemental Response or an Examiner's Amendment.

AUTHORIZATION

The Commissioner is hereby authorized to charge any additional fees which may be required for the timely consideration of this Amendment, or credit any overpayment to Deposit Account No. 13-4500, Order No. 1232-5791.

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Respectfully submitted,



By

Hiroyuki Yasuda

Registration No.: 55,751

Morgan & Finnegan, L.L.P. (Customer No. 27123)

3 World Financial Center

New York, NY 10281-2101

(212) 415-8747

(212) 415-8701 Facsimile

Attorneys/Agents For Applicants